

In the Claims

Please cancel claim 6. Please amend claims 1 and 4 as set forth below. Please add claims 1-9.

Claim 1 (Currently amended): An image processing for linking one or more pixel objects to selected data objects in a sequence of video frames, the image processing system comprising:

a video ~~and pixel~~ capture system for capturing ~~enabling~~ a frame of said sequence of video frames to be viewed ~~and one or more pixel objects in said frame to be selected and captured~~ defining a captured video frame; and

a user interface for enabling a user to select one or more pixel objects in said captured frame; and

a video linking system including a pixel object tracking system for automatically tracking selected pixel objects in any preceding and/or succeeding frames in said sequence of video frames defining selected pixel objects as a function of a color value of said selected pixel object, said video linking system generating one or more linked video files which identify the pixel objects by frame number and location within the file, providing one or more links to data for each pixel object.

Claim 2 (Original): The system as recited in claim 1, wherein said data content has a predetermined playback rate and said video linking system may sample said video content at a sample rate of less than said predetermined playback rate.

Claim 3 (Original): The system as recited in claim 2, wherein said sample rate may be three (3) frames per second.

Claim 4 (Original): The system as recited in claim 1, wherein said video linking system is configured to identify segment breaks in said video content.

Claim 5 (Original): The system as recited in claim 4, wherein said segment breaks are determined by determining the median average pixel values for a series of frames and comparing changes in the pixel values relative to the median average and indicating a segment break when

the change in pixel values represent at least a predetermined change relative to the median average.

Claim 6 (Canceled)

Claim 7 (New): The image processing system as recited in claim 5, wherein said compensation system is configured to automatically compensate for changes in said color values as a function of breaks between segments.

Claim 8 (New): The image processing system as recited in claim 7, wherein a segment corresponds to one frame or video.

Claim 9 (New): The image processing system as recited in claim 8, wherein a segment corresponds to more than one frame or video.

Claim 10 (New): An image processing system for lining one or more pixel objects to selected data objects in a sequence of video frames, the image processing system comprising:

a video and pixel object capture system for enabling a frame of said sequence of video frames to be viewed and one or more pixel objects in said frame to be selected and captured; and

a video linking system for automatically tracking selected pixel objects in preceding and succeeding frames in said sequence of video frames, said video linking system generating one or more linked video files which identify the pixel objects by frame number and location within the file, providing one or more links to data for each pixel object, wherein said video linking system is configured to identify segment breaks in said video content.